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(12) **United States Patent**
Thor(10) **Patent No.:** **US 7,718,705 B1**(45) **Date of Patent:** **May 18, 2010**(54) **METHODS OF USING RAPID-ONSET
SELECTIVE SEROTONIN REUPTAKE
INHIBITORS FOR TREATING SEXUAL
DYSFUNCTION**6,107,307 A 8/2000 Audia et al.
6,228,864 B1 5/2001 Smith et al.
6,303,627 B1 10/2001 Koch et al.
6,517,866 B1 2/2003 Am Ende et al.
6,525,048 B1 2/2003 Bright(75) Inventor: **Karl Bruce Thor**, Morrisville, NC (US)(73) Assignee: **Eli Lilly and Company**, Indianapolis,
IN (US)(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 869 days.(21) Appl. No.: **10/049,427**(22) PCT Filed: **Aug. 22, 2000**(86) PCT No.: **PCT/US00/20788**§ 371 (c)(1),
(2), (4) Date: **May 6, 2002**(87) PCT Pub. No.: **WO01/17521**PCT Pub. Date: **Mar. 15, 2001**(51) **Int. Cl.**
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A61K 31/13 (2006.01)(52) **U.S. Cl.** **514/651**; 514/641(58) **Field of Classification Search** 514/651,
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See application file for complete search history.

FOREIGN PATENT DOCUMENTS

EP 714663 A2 6/1996
EP 924205 B1 6/1999
WO WO 96/12485 5/1996
WO WO 96/24353 8/1996
WO WO 97/13770 4/1997
WO WO 97/47302 12/1997
WO 99/01132 1/1999
WO WO 99/01113 1/1999
WO WO 99/01122 1/1999
WO WO 99/01132 1/1999
WO WO 99/16440 4/1999
WO WO 99/21508 5/1999
WO WO 99/65487 12/1999
WO WO 00/06160 2/2000
WO WO 00/07994 2/2000
WO WO 00/21521 4/2000
WO WO 00/67729 11/2000
ZA 9 300 694 6/1993

OTHER PUBLICATIONS

Livini et al, 121CA:128898, 1994.*
Lee et al, 128CA:10222, 1996.*
Lane, R.M., 127CA:287476, 1997.*
Houck, Carl, 129CA:156848, 1998.*
Baldwin et al, 126CA:180636, 1995.*
CG McMahon, Et Al: "Treatment of Premature Ejaculation with
Paroxetine Hydrochloride" International Journal of Impotence
Research (1999)11, 241-246.
Genupro subsidiary has dapoxetine in Phase II trials for premature
ejaculation . . . The Pink Sheet, Apr. 26, 1999.

(Continued)

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(74) *Attorney, Agent, or Firm*—Sheridan Ross P.C.(57) **ABSTRACT**Methods for the prevention, treatment, or management of
sexual dysfunction, such as premature ejaculation, by admin-
istering to a patient in need of therapy a therapeutically effec-
tive amount of a rapid-onset selective serotonin reuptake
inhibitor on an as-needed basis shortly before sexual activity.**10 Claims, 2 Drawing Sheets**(56) **References Cited**

U.S. PATENT DOCUMENTS

4,940,731 A 7/1990 Bick
5,114,976 A 5/1992 Norden
5,135,947 A * 8/1992 Robertson et al. 514/466
5,151,448 A 9/1992 Crenshaw et al.
5,248,699 A 9/1993 Sysko et al.
5,276,042 A 1/1994 Crenshaw et al.
5,283,263 A 2/1994 Norden
5,457,121 A 10/1995 Schaus et al.
5,552,429 A 9/1996 Wong et al.
5,576,321 A 11/1996 Krtushinski, Jr. et al.
5,589,511 A 12/1996 Young et al.
5,589,512 A 12/1996 Norden
5,597,826 A 1/1997 Howard et al.
5,614,523 A 3/1997 Audia et al.
5,627,196 A 5/1997 Audia et al.
5,672,612 A 9/1997 Rosen et al.
5,707,999 A 1/1998 Cavallini
5,744,501 A 4/1998 Norden
5,789,402 A 8/1998 Audia et al.
5,789,449 A 8/1998 Norden
5,830,500 A 11/1998 El-Rashidy et al.
5,846,982 A 12/1998 Audia et al.
5,897,864 A 4/1999 Cohen
5,910,319 A 6/1999 Anderson et al.
5,912,256 A 6/1999 Koch et al.
5,922,341 A 7/1999 Smith et al.
6,037,360 A 3/2000 Smith et al.
6,046,215 A 4/2000 Audia et al.